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(21)Application number : 06-272889	(71)Applicant : ONO PHARMACEUT CO LTD
(22)Date of filing : 12.10.1994	(72)Inventor : HONSHIYO YUU SHIROMIZU MICHIO TADA HIDEAKI

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(54) NEW POLYPEPTIDE, ITS PRODUCTION, DNA CAPABLE OF CODING THE SAME POLYPEPTIDE, VECTOR COMPOSED OF THE SAME DNA, HOST CELL TRANSFORMED BY THE SAME VECTOR, ANTIBODY AGAINST THE SAME POLYPEPTIDE AND PHARMACEUTICAL COMPOSITION CONTAINING THE SAME POLYPEPTIDE OR ANTIBODY

(57)Abstract:

PURPOSE: To obtain a new polypeptide, comprising a specific amino acid sequence, having biological activities concerned in survival and proliferation of a hematopoietic stem cell and useful for preventing and treating inflammatory diseases, deficiency in the hematopoietic stem cell after the bone marrow transplantation, leukemia, etc.

CONSTITUTION: This polypeptide is composed of an amino acid sequence expressed by sequence table I which is in a substantially pure

Bot	Ant	Ala	Lys	Val	Val	Val	Val	Leu	Val	Lys	Val	Leu	Thr	Gln	Leu
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cys	Leu	Ser	Asp	Gly	Lys	Pro	Val	Ser	Leu	Ser	Tyr	Arg	Lys	Pro	Cys
			50				2b					30			
Arg	Phe	Phe	Gln	Ser	His	Val	Ala	Arg	Ser	Asn	Val	Lys	His	Leu	Lys
			35				40					45			
His	Leu	Asn	Thr	Pro	Asn	Cys	Ala	Leu	Gln	His	Val	Ala	Arg	Leu	Lys
			50				55					60			
Asn	Asn	Asn	Arg	Gln	Val	Cys	His	Asp	Pro	Lys	Leu	Lys	Trp	Leu	Gln

form, its homolog, its fragment or a homolog of the fragment. Furthermore, the polypeptide is obtained by culturing a host cell transformed by an expression vector composed of a DNA capable of coding the polypeptide under conditions for expressing the polypeptide.

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